|  | Ind | ex | of | Cla | ims |
|--|-----|----|----|-----|-----|
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| App | olica | tion | /Contr | ol No. |
|-----|-------|------|--------|--------|
|-----|-------|------|--------|--------|

10/624,762

Examiner

Thanh T. Vu

Applicant(s)/Patent under Reexamination

**BOZDAGI ET AL.** 

Art Unit

2174

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla          | aim      |              | Date                                             |          |          |            |                                                  | Claim Date   |          |          |    |          |          |                 |               |          | Cl       | aim      | Date     |                 |          |          |     |          |          |          |          |          |          |   |          |          |           |           |
|--------------|----------|--------------|--------------------------------------------------|----------|----------|------------|--------------------------------------------------|--------------|----------|----------|----|----------|----------|-----------------|---------------|----------|----------|----------|----------|-----------------|----------|----------|-----|----------|----------|----------|----------|----------|----------|---|----------|----------|-----------|-----------|
|              | _        | ~0/m/0>      |                                                  |          |          |            |                                                  |              |          |          |    |          | =        |                 |               |          |          |          |          |                 |          |          |     |          | =        |          |          |          |          |   |          |          |           | П         |
| ā            | <u> </u> | 3            | 1                                                |          |          |            |                                                  |              |          |          |    | <u> </u> | ig.      |                 |               |          |          |          |          |                 |          |          |     | <u> </u> | ina      |          |          |          |          |   |          |          |           |           |
| Final        | Original | 3            | ١                                                |          |          | 1          |                                                  |              |          |          |    | Final    | Original |                 | ŀ             |          |          |          | - 1      |                 |          |          |     | Final    | Original |          |          |          |          |   |          |          |           |           |
| _            | 0        | ò            | 1                                                |          |          |            |                                                  |              |          |          |    |          | 0        |                 | ľ             |          | .        |          |          | -               | ŀ        |          |     |          | 0        |          |          |          |          |   |          |          |           |           |
| -            | 1        | V            | 1                                                | -        | _        | ┢          | $\vdash$                                         | $\vdash$     | $\vdash$ |          |    |          | 51       |                 | -t            | $\dashv$ | $\dashv$ | -        | ┪        | +               | T        | -        |     |          | 101      | ┝        | -        |          | -        |   | -        |          | $\dashv$  | Н         |
| $\vdash$     | 2        | Ť            | <del>                                     </del> |          | -        | <u> </u>   | $\vdash$                                         | -            | _        | _        |    |          | 52       |                 |               | -+       | $\dashv$ |          | ┰        | $\dashv$        | $\dashv$ | $\dashv$ |     |          | 102      | $\vdash$ |          |          |          |   | -        | _        | _         | Н         |
|              | 3        | -            | $\vdash$                                         | -        |          |            | -                                                | H            | -        | _        |    |          | 53       | H               |               | $\dashv$ | $\dashv$ | -        |          | -               | -        |          |     |          | 103      | ┝        |          |          | _        | _ |          |          | $\dashv$  | H         |
| <u> </u>     | 4        | 1            | ├-                                               | -        | -        | ⊢          | ⊢                                                | $\vdash$     | ┝        | _        |    | _        | 54       | -               | +             | -        | $\dashv$ | $\dashv$ | -        |                 |          |          |     |          | 103      | -        | -        |          | _        |   |          |          | -         | Н         |
|              |          | ╫            | $\vdash$                                         | <u> </u> |          |            | ⊢                                                | $\vdash$     | -        | _        |    |          | 55       | H               | $\dashv$      | $\dashv$ |          |          |          | -               | -        | $\dashv$ |     | <u> </u> | 105      | -        | _        |          |          |   | $\vdash$ |          | $\dashv$  | Н         |
|              | 5<br>6   | 1            | ⊢                                                |          | <u> </u> | -          |                                                  | Н            |          | _        |    | _        | 56       | Н               | -             | $\dashv$ | $\dashv$ | $\dashv$ |          |                 | -        | $\dashv$ |     | <u> </u> | 106      | -        |          | _        |          |   |          | -        | _         | Н         |
|              |          | ╫            | $\vdash$                                         |          |          | $\vdash$   | $\vdash$                                         | $\vdash$     | _        | _        |    |          |          | Н               | -             | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -               | -        |          |     |          |          | <u> </u> | -        |          |          |   |          |          |           | Н         |
|              | 7        | ₩            | -                                                |          | -        |            | ├                                                | -            | <u> </u> |          |    |          | 57       | -               |               |          | -        |          |          |                 |          | _        |     |          | 107      |          |          | _        |          |   | _        |          |           | $\vdash$  |
|              | 8        | 11-          |                                                  |          |          | -          | <del> </del>                                     | -            |          |          |    |          | 58       | _               |               | $\dashv$ | $\dashv$ | -        | -        | _               | _        | _        |     |          | 108      | _        |          | _        |          | _ | _        | _        | $\dashv$  | <b> </b>  |
|              | 9        | Ц.           | _                                                | _        | _        | L.         | _                                                |              | ļ        | <u> </u> |    |          | 59       |                 |               | _        | _        |          | _        | _               | _        | _        |     | ļ        | 109      |          |          |          |          |   |          |          |           |           |
|              | 10       | 1            | ┞                                                |          | _        |            | _                                                |              |          | _        |    |          | 60       |                 |               | _        | _        |          | _        | _               | _        | _        |     |          | 110      | <u> </u> |          |          |          |   |          |          | _         | Ш         |
|              | 11       | Ш            | <u> </u>                                         |          |          |            | _                                                | Ш            |          | <u> </u> |    |          | 61       | Щ               |               | _        | ļ        |          |          | _               | _        | _        |     |          | 111      | <u> </u> | <u> </u> |          |          |   | Щ        |          |           | Ш         |
|              | 12       | 1            | <u> </u>                                         | L_       | <u> </u> | <u> </u>   | <u> </u>                                         | Щ            | <u> </u> | L        |    | ļ        | 62       | Щ               |               | _        | ļ        | $\Box$   |          |                 | _        | _        |     |          | 112      | _        | Щ        |          |          |   | L        |          |           |           |
|              | 13       | 1            | $oxed{oxed}$                                     |          |          | _          | _                                                | Ш            |          | L.       |    | L        | 63       |                 |               | _        |          |          |          |                 | _        | _        |     |          | 113      | _        | Ш        |          |          |   |          |          |           | Ш         |
|              | 14       | V            | $\perp$                                          | _        |          | lacksquare | $oxed{oxed}$                                     | Ш            |          |          |    |          | 64       | Ш               |               | _        |          |          |          |                 |          | Ц        |     |          | 114      |          |          |          |          |   | Ш        |          |           |           |
|              | 15       |              | Ш                                                |          |          |            |                                                  | $oxed{oxed}$ |          |          |    |          | 65       |                 |               |          |          |          |          |                 |          |          |     |          | 115      |          |          |          |          |   |          |          |           |           |
|              | 16       |              |                                                  |          |          |            |                                                  |              |          |          |    |          | 66       |                 |               |          |          |          | $\Box$   |                 |          |          |     |          | 116      |          |          |          |          |   |          |          | $\Box$    |           |
| L            | 17       |              |                                                  |          |          |            |                                                  |              |          |          | ]  |          | 67       |                 |               |          |          |          |          |                 |          |          |     |          | 117      |          |          |          |          |   |          |          |           |           |
|              | 18       |              |                                                  |          |          |            | Γ                                                |              |          |          |    |          | 68       |                 |               | П        | П        |          | $\neg$   |                 |          |          |     |          | 118      |          |          |          |          |   |          |          | П         | $\Box$    |
|              | 19       | Π            |                                                  |          |          |            |                                                  |              |          |          |    |          | 69       |                 | $\neg$        |          |          |          | $\neg$   |                 |          |          |     |          | 119      |          | П        |          |          |   |          |          | $\neg$    |           |
|              | 20       |              |                                                  |          |          |            |                                                  |              |          |          |    |          | 70       |                 |               |          |          |          |          |                 |          |          |     |          | 120      |          |          |          |          |   |          |          | $\neg$    | П         |
|              | 21       |              |                                                  |          |          |            |                                                  |              |          |          |    |          | 71       | П               |               | T        | $\neg$   |          |          |                 | $\neg$   | _        |     |          | 121      |          | П        |          |          |   |          |          | $\neg$    | $\Box$    |
|              | 22       | Т            |                                                  |          |          |            |                                                  |              |          |          |    |          | 72       |                 |               |          |          |          |          | $\exists$       |          |          |     |          | 122      |          |          |          |          |   | П        |          | $\exists$ | П         |
|              | 23       | ┢            | T                                                | Ι        | $\vdash$ | _          | T                                                |              |          |          |    |          | 73       |                 |               | T        |          |          |          |                 | _        | _        |     |          | 123      |          | Н        |          |          |   | П        |          | $\dashv$  | П         |
|              | 24       |              |                                                  |          | $\vdash$ | $\vdash$   |                                                  |              |          |          | ١. |          | 74       |                 | $\dashv$      | 寸        |          | $\neg$   |          | _               | 十        | $\neg$   |     |          | 124      |          |          |          |          |   |          |          | $\exists$ |           |
|              | 25       | $\vdash$     |                                                  |          |          |            |                                                  | $\vdash$     |          |          |    |          | 75       | Н               | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | ┪        | $\dashv$        | $\neg$   | $\dashv$ |     |          | 125      |          |          | _        |          |   | Н        | $\dashv$ | $\dashv$  | М         |
| -            | 26       | $\vdash$     | $\vdash$                                         | _        | _        |            | <del>                                     </del> |              |          |          | ĺ  |          | 76       | Н               | -             | -        | _        | -        |          | _               | -        | 一        | ı   |          | 126      |          | Н        |          |          |   | H        |          | $\exists$ | Н         |
|              | 27       |              | $\vdash$                                         |          |          |            |                                                  | $\vdash$     |          |          |    |          | 77       | Н               | _             | $\dashv$ | -        | $\dashv$ | -        | -+              | -        | ᅱ        | 1   |          | 127      |          | Н        | $\vdash$ |          |   | Н        |          | $\dashv$  | Н         |
|              | 28       |              |                                                  |          |          |            | $\vdash$                                         | $\vdash$     | _        | _        |    |          | 78       | Н               | $\dashv$      | $\dashv$ | $\dashv$ | -        | -+       | $\dashv$        | $\dashv$ | ᅱ        | ŀ   |          | 128      |          | $\vdash$ | _        |          |   | Н        |          | $\dashv$  | Н         |
|              | 29       |              | Н                                                |          |          | $\vdash$   | $\vdash$                                         | Н            |          |          |    |          | 79       | $\vdash$        | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | ⊣        | ŀ   |          | 129      | _        | Н        |          |          |   | Н        |          | $\dashv$  | Н         |
|              | 30       |              | H                                                |          |          |            | _                                                | Н            |          |          |    |          | 80       |                 | $\dashv$      | $\dashv$ | $\dashv$ | -        | $\dashv$ | -               | $\dashv$ |          | - 1 |          | 130      |          | $\vdash$ |          |          |   | -        |          | -         | $\vdash$  |
|              |          |              | Н                                                |          |          |            | ┝                                                | Н            |          |          |    |          |          | $\vdash$        | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +               | $\dashv$ | $\dashv$ | -   |          | 130      | _        | Н        | -        |          |   | -        |          |           |           |
| -            | 31       |              | Н                                                | Н        |          | Ŀ          | ├—                                               | $\vdash$     |          | _        |    |          | 81       | Н               | $\rightarrow$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$        |          | _        | - 1 |          | 131      |          | Н        |          |          |   | Н        | _        | $\dashv$  | Н         |
|              | 32       |              | $\vdash$                                         | Ш        |          | L          | _                                                | Ш            |          |          |    |          | 82       |                 | $\dashv$      | -        |          |          |          | -               | -        |          |     |          | 132      |          |          |          |          |   |          | $\dashv$ | $\dashv$  | Ш         |
| $\vdash$     | 33       | -            | Н                                                | Ш        |          |            | $\vdash$                                         | Н            | <b> </b> | _        |    |          | 83       | $\vdash \vdash$ | $\dashv$      | $\dashv$ |          |          |          |                 |          | _        |     |          | 133      | <u> </u> | Н        |          |          |   | Ш        |          | _         | Щ         |
|              | 34       | <del> </del> | Н                                                | Ш        |          |            | $\vdash$                                         | $\sqcup$     | Ш        |          |    |          | 84       |                 | $\dashv$      | _        | -        | _        | $\dashv$ | $\dashv$        | $\dashv$ | 4        | ļ   |          | 134      |          | Ш        |          |          |   |          |          |           | $\vdash$  |
|              | 35       | <u> </u>     |                                                  |          |          | ļ          | <u> </u>                                         |              |          |          |    |          | 85       |                 |               | _        | _        | _        | _        | _               | $\perp$  | _        | ļ   |          | 135      | Ш        | Щ        |          |          |   | Щ        |          |           |           |
| ļ            | 36       | <u> </u>     | Ш                                                | Щ        |          | _          | Щ                                                |              |          |          |    |          | 86       |                 | _             | _        | _        | $\perp$  | _        | _               |          | _        | ļ   |          | 136      |          |          |          |          |   | Щ        |          |           | <u> </u>  |
| $oxed{oxed}$ | 37       |              |                                                  |          |          |            |                                                  | Ш            | L        |          |    |          | 87       |                 | _             |          |          | _        |          | _               |          | $\Box$   | ļ   |          | 137      |          | Ш        |          |          |   | Ш        |          |           |           |
| L            | 38       |              |                                                  |          |          |            | 匚                                                | Ш            |          |          |    |          | 88       |                 |               |          |          |          |          | $\perp$         |          | $\sqcup$ | Į   |          | 138      |          | Ш        |          |          |   | Ш        |          |           |           |
|              | 39       | <u>L</u>     |                                                  |          |          |            |                                                  | Ш            |          |          |    |          | 89       | L]              |               |          |          |          |          |                 |          | ╝        |     |          | 139      |          |          |          |          |   |          |          |           |           |
|              | 40       |              |                                                  |          |          |            |                                                  |              |          |          |    |          | 90       |                 |               |          |          |          |          |                 |          |          |     |          | 140      |          |          |          |          |   |          |          | $\Box$    |           |
|              | 41       |              |                                                  |          |          |            | Ĺ                                                | $\Box$       |          |          |    |          | 91       |                 | $_{\perp}$    |          | _]       |          |          | _]              |          |          |     |          | 141      |          |          |          |          |   |          |          |           |           |
|              | 42       |              |                                                  |          |          |            |                                                  |              |          |          |    |          | 92       |                 |               |          |          |          |          |                 | $\Box$   |          |     |          | 142      |          |          |          |          |   |          |          |           | $\Box$    |
|              | 43       |              |                                                  |          |          |            |                                                  |              |          |          |    |          | 93       |                 |               | T        |          |          | _1       |                 | T        |          | İ   |          | 143      |          |          |          |          |   |          |          | $\neg$    | П         |
|              | 44       |              |                                                  |          |          |            |                                                  |              |          |          |    |          | 94       |                 |               | $\neg$   |          |          | $\neg$   | $\neg \uparrow$ | $\Box$   | $\neg$   | j   |          | 144      |          |          |          |          |   |          |          | $\dashv$  | ヿ         |
|              | 45       | T            | П                                                |          |          |            |                                                  |              |          |          |    |          | 95       |                 |               |          |          | 一        | $\dashv$ | $\neg$          | $\dashv$ | $\neg$   |     |          | 145      |          |          |          |          |   |          | 寸        | $\dashv$  | $\dashv$  |
|              | 46       |              | П                                                |          |          |            |                                                  |              |          |          |    |          | 96       |                 |               | $\dashv$ | 7        |          | 寸        | $\neg$          | $\neg$   | $\neg$   | 1   |          | 146      |          |          |          |          |   |          | _        | $\dashv$  | $\dashv$  |
|              | 47       |              | М                                                | т        | _        |            | _                                                | $\Box$       |          | =        |    |          | 97       |                 | 寸             | $\dashv$ | $\dashv$ |          | 寸        | $\dashv$        | $\dashv$ | $\dashv$ | ļ   |          | 147      |          |          |          | $\neg$   |   |          |          | $\dashv$  | $\exists$ |
|              | 48       | $\vdash$     | Н                                                |          | $\vdash$ |            |                                                  |              |          |          |    |          | 98       |                 | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +               | $\dashv$ | $\dashv$ | ł   |          | 148      |          |          |          |          |   |          | -        | $\dashv$  | $\dashv$  |
|              | 49       | $\vdash$     | Н                                                | $\vdash$ | -        |            | -                                                | H            |          |          |    |          | 99       | $\vdash$        | $\dashv$      | $\dashv$ | 7        | $\dashv$ | +        | $\dashv$        | -+       | $\dashv$ | ł   |          | 149      |          | $\vdash$ |          |          |   |          |          | $\dashv$  | $\dashv$  |
|              | 50       |              | H                                                | $\vdash$ |          |            | $\vdash$                                         | $\vdash$     | Н        |          |    |          | 100      | $\vdash$        | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | ŀ   |          | 150      | Н        | H        |          | $\dashv$ | - | $\vdash$ |          | $\dashv$  | $\dashv$  |
|              |          | 1            | ᆫᅩᅵ                                              |          | 1        |            | 1                                                | 1 4          |          | - 1      |    | - 1      |          | · I             | - 1           | - 1      | - 1      | - 1      |          | 1               | - 1      | - 1      |     |          |          |          |          |          |          |   |          |          | - 1       |           |